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NDDOT Seeking Submissions for Transportation Innovation Ideas

The North Dakota Department of Transportation (NDDOT) is entering the third year of its partnership with Upper Great Plains Transportation Institute (UGPTI) for the Transportation Innovation Program (TRIP). TRIP seeks to identify and implement innovative solutions for transportation related projects, processes and products.

NDDOT and UGPTI are currently seeking submissions for the Transportation Innovation Program. Innovation ideas are to address areas in transportation including but not limited to:

- Bridges and structures
- Construction
- Operations and Maintenance
- Roadway surfacing
- Planning
- Environmental
- Safety
- Service delivery
- Transit
- Multi-modal
- Innovative or currently underprovided transportation training
- Innovative research

"As the dynamics of North Dakota's economy and industry evolve, it is more important than ever to continue to find new and better ways to do business," says Wayde Swenson, NDDOT Director of Operations. "The Transportation Innovation Program is a valuable way to introduce new thinking into the Department and provide for innovation in all aspects of the agency's responsibilities."

Some examples of innovative submittals that have been implemented include:

- Using a Texas Underseal on HBP Overlay projects
- Studying the use of Fiberglass Rebar & Dowels Bars in Bridges and Pavements
- Using Fiber Reinforced HBP
- Installing Culvert Movement Monitoring/Instrumentation
- Using URETEK Deep Polymer Injection on frost heaves
- Monitoring traffic flows with Distributed Acoustic Sensing
- Using Geogrid Reinforcement under aggregate base for flexible pavement
- Using a MIT Scan T2 for collecting concrete pavement thicknesses
- Using Hydrated Lime as an anti-stripping agent in new full-depth HBP pavements
- Developing a digital driver's license application process
- Using TheSmartCone™ technology for security, work-zone safety and surveillance applications
- Using Jointbond to address longitudinal HBP joint deterioration
- Using WatershedGeo HydroTurf® for drainage way armoring

Who Can Submit An Innovation Idea?

- Contractors
- Colleges & Universities
- Consultants
- Tribes
- Suppliers
- Local Jurisdictions
- Associations

- NDDOT staff

TRIP is an ongoing program that will have up to four solicitations each year. The deadline to submit an idea during this round of submissions for Transportation Innovation Ideas is March 6, 2017. For additional information please go to the TRIP webpage at: <http://www.dot.nd.gov/business/innovate>